

D-19-X

Roll No. 1239

Total No. of Questions : 11]

[Total No. of Printed Pages : 2

HSEIRKN15

6419-X

ZOOLOGY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

(Long Answer Type Questions)

5 Each

1. Name various methods of "Asexual reproduction". Describe any three of them.

Or

Define "Gametogenesis". Describe the microscopic anatomy of "Human Testis".

2. What do you mean by "DNA Fingerprinting" ? Explain in brief "Human Genome Project" and its significance.

Or

Explain Hardy-Weinberg's Principle. Add a note on Adaptive radiation.

(Short Answer Type Questions)

3 Each

3. Write a short note on "MTP".
4. Name Mendelian disorders in humans. Explain colourblindness in human beings.
5. What is Filariasis ? How is it caused ?
6. Write a short note on Gene therapy.

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Turn Over

(Very Short Answer Type Questions)

2 Each

7. What do you mean by "Amniocentesis" ?
8. What are the problems of Hemophilia ?
9. What is the basic concept of "Immunology" ?
10. What do you mean by "Biosafety issues" ?

(Objective Type Questions)

1 Each

Do as directed :

11. (i) Expand the term "IVF".
- (ii) The cranial capacity of *Homo sapiens* is 1700 cc.
(Say Yes/No)
- (iii) The pairs of chromosomes that are associated with sex-determination are known as (Fill up)
- (iv) The process of vaccination was discovered by :
(a) Edward Jenner (b) Robert Koch
(c) Louis Pasteur (d) Von-Behring
(Choose the correct one)
- (v) Give one word for :
"Sufferers with damage to their joints."